

E72-10134
CR-128/88

FIRST BI-MONTHLY PROGRESS REPORT
UNIVERSITY OF ALASKA
ERTS PROJECT 110-7
September 30, 1972

Title of Investigation

Application of ERTS-1 imagery to the study of caribou movements
and winter dispersal in relation to prevailing snowcover

Principal Investigator/GSFC ID

Peter C. Lent/UN682

Problems Impeding Investigation

The only data received was 60 per cent cloud-covered, and the
non-cloud-covered portion was not part of the test area.

Progress Report

1. Accomplishments during reporting period.

The project co-investigator obtained ground based and airborne
data on concentrations and movements of the Porcupine caribou
herd until post-calving dispersal. Unfortunately, the calving
concentration dispersed before satellite launch on July 23.
However, maps of vegetational disturbance and trail systems
were obtained and may be of some value as ground truth until a
new snowcover arrives.

2. Plans for next reporting period.

Attempts will be made to obtain low level aerial reconnaissance
data in cloud-free areas during periods of scheduled satellite
overflights.

Publications

No publications during reporting period.

Recommendations

None

Changes in Standing Order Forms

None

(E72-10134) APPLICATION OF ERTS-1 IMAGERY
TO THE STUDY OF CARIBOU MOVEMENTS AND
WINTER DISPERSAL IN RELATION TO PREVAILING
SNOWCOVER P.C. Lent (Alaska Univ.,
College.) 30 Sep. 1972 3 p

N72-32382

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CSCL 08F G3/13

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Discipline

Environment

Subdiscipline

Phenology/Wildlife Habitat Surveys

Summary of Significant Results

Activities were primarily ground based and airborne data acquisition,
and preparations for analysis of data. Therefore, there are no significant scientific, practical, or operational results to report.

ERTS IMAGE DESCRIPTOR FORM

(See Instructions on Back)

DATE September 30, 1972

PRINCIPAL INVESTIGATOR Peter C. Lent

GSFC UN682

ORGANIZATION Alaska Cooperative Wildlife Research Unit

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1002213002	X	X	X	Sea Islands
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1002213004	X	X	X	Sea Islands/Ice-covered lake
1002213005	X	X	X	Sea Islands/Ice-covered lake
1002213006	X	X	X	Sea Islands/Ice-covered lake
1002213007	X	X	X	Sea Islands/Ice-covered lake

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